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NOTICE OF ALLOWANCE AND FEE(S) DUE

23446 7590 03/20/2009
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MCANDREWS HELD & MALLOY, LTD 500 WEST MADISON STREET SUITE 3400 CHICAGO II. 60661

EXAMINER				
YUN, EUGENE				
ART UNIT	PAPER NUMBER			
2618				

DATE MAILED: 03/20/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/788,061	02/16/2001	Theodore Trost	17463US02	5102

TITLE OF INVENTION: BLUETOOTH BASEBAND SOLUTION WITH REDUCED PROCESSOR REQUIREMENTS AND INTEGRATED HOST CONTROLLER

APPLN, TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	06/22/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION NOT THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTEXDED. SEE 3S U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

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maintenance fee notification	ons.						nould be completed where correspondence address as rate "FEE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)			pan	ers. Each additiona	1 paper	g can only be used for icate cannot be used for such as an assignment ling or transmission.	r domestic mailings of the or any other accompanying nt or formal drawing, must
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MCANDREWS HELD & MALLOY, LTD 500 WEST MADISON STREET SUITE 3400			I he Sta add trar	Cer ereby certify that the tes Postal Service v ressed to the Mail asmitted to the USP	tificate is Fee(vith suf Stop TO (57	of Mailing or Transis Transmittal is being licient postage for firs ISSUE FEE address 1) 273-2885, on the day	nission deposited with the United t class mail in an envelope above, or being facsimile ate indicated below.
CHICAGO, IL 60	0001						(Depositor's name)
			<u>_</u>				(Signature)
							(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR		ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
09/788,061	02/16/2001		Theodore Trost			17463US02	5102
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nonprovisional	NO	\$1510	\$300	\$0		\$1810	06/22/2009
EXAMIN	VER	ART UNIT	CLASS-SUBCLASS]			
YUN, EU	GENE	2618	455-186100	•			
1. Change of correspondence address or indication of "Fee Address" (37 CFR J. 363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. The Address form PTO/SB/122 attached. The Address' indication (or "Fee Address" Indication form PTO/SB/147, Ew 0-302 or more exent) attached. Use of a Customer Number is required. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED OI			used, no name win or printed.				
PLEASE NOTE: Unler recordation as set forth (A) NAME OF ASSIG	ss an assignee is identi in 37 CFR 3.11. Comp NEE	ified below, no assignee detion of this form is NO	data will appear on the p T a substitute for filing an (B) RESIDENCE: (CITY	oatent. If an assign assignment. If and STATE OR C	OUNT	RY)	ocument has been filed for
Please check the appropria	te assignee category or	categories (will not be pr	rinted on the patent):	Individual UCo	orporati	on or other private gro	up entity 🚨 Government
4a. The following fee(s) are submitted: Issue Fee Issue Fee			b. Payment of Fee(s): (Ple	rd. Form PTO-2038	is atta	ched.	
 Change in Entity Statu a. Applicant claims 	SMALL ENTITY statu	is. See 37 CFR 1.27.	☐ b. Applicant is no lor				
NOTE: The Issue Fee and interest as shown by the re	Publication Fee (if requered of the United Sta	uired) will not be accepte tes Patent and Trademark	d from anyone other than Office.	the applicant; a regi	stered :	attorney or agent; or th	e assignee or other party in
Authorized Signature _				Date			
Typed or printed name			Registration N				
This collection of informat an application. Confidentic submitting the completed this form and/or suggestion Box 1450, Alexandria, Vir Alexandria, Virginia 2231	tion is required by 37 C ality is governed by 35 application form to the ns for reducing this bur ginia 22313-1450. DC 3-1450.	EFR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to th O NOT SEND FEES OR	on is required to obtain or 1.14. This collection is es depending upon the indi e Chief Information Offic COMPLETED FORMS T	retain a benefit by t timated to take 12 i vidual case. Any co er, U.S. Patent and O THIS ADDRESS	he pub minuter mment Trader S. SEN	ic which is to file (and to complete, includin s on the amount of tin ark Office, U.S. Deps D TO: Commissioner I	by the USPTO to process) g gathering, preparing, and he you require to complete artment of Commerce, P.O. for Patents, P.O. Box 1450,

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PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.



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500 WEST MADISON STREET			ART UNIT	PAPER NUMBER	
SUITE 3400 CHICAGO, IL 60661			2618 DATE MAILED: 03/20/200	9	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 51 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 51 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Application No. 09/788,061 TROST ET AL. Notice of Allowability Examiner Art Unit ELICENE VIIN

Applicant(s)

EUGEI	NE TOIN 2010
The MAILING DATE of this communication appears on the All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMerewith (or previously mailed), a Notice of Allowance (PTOL-85) or other NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. of the Office or upon petition by the applicant. See 37 CFR 1.313 and MP	MAINS) CLOSED in this application. If not included appropriate communication will be mailed in due course. THIS This application is subject to withdrawal from issue at the initiative
 This communication is responsive to <u>RCE filed 2/23/2009</u>. 	
2. The allowed claim(s) is/are 1.3-8 and 10-20.	
3.	ceived. ceived in Application No have been received in this national stage application from the seminary of the process of the pro
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4. Exeminer's Comment Regarding Requirement for Deposit of Biological Material	5. ☐ Notice of Informal Patent Application 6. ☐ Interview Summary (PTO-413), Paper No./Mail Date 7. ☒ Examiner's Amendment/Comment 8. ☒ Examiner's Statement of Reasons for Allowance 9. ☐ Other
/Eugene Yun/	
Primary Examiner, Art Unit 2618	

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DETAILED ACTION

EXAMINER'S AMENDMENT

 An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

10. (Amended) The processor of claim [9] <u>8</u> wherein the status indicated by the respective bit of the respective single bit array for each of the memory fragments is whether the respective memory fragment is empty

Allowable Subject Matter

Claims 1, 3-8, and 10-20 are allowed.

Regarding Claim 1, Vanden Heuvel and Larson do not teach, alone nor in combination, a processor coupled to the wireless transceiver, the processor having a memory such that the memory is inside of the processor, the memory comprising at least six FIFO memory structures in which each FIFO memory structure comprises a plurality of fragments, the at least six FIFO memory structures comprising at least three pairs of FIFO memory structures, each FIFO memory structure pair storing a different type of data packet that is being transmitted and received, the memory comprising a respective single bit array corresponding to each FIFO memory structure, each fragment of associated FIFO memory structure being associated with a respective bit in the respective single bit array, the respective bit providing a status of the associated

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fragment, the memory comprising a respective second array correspond to each FIFO memory structure, the respective second array storing a respective link list and being configured to control, via the respective link list, the sequence of memory fragments from which data is read

Claim 8 is allowable for similar reasons as claim 1.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to EUGENE YUN whose telephone number is (571)272-7860. The examiner can normally be reached on 9:00am-6:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Duc Nguyen can be reached on (571)272-7503. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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Eugene Yun Examiner Art Unit 2618

/Eugene Yun/ Examiner, Art Unit 2618 /E. Y./ Examiner, Art Unit 2618